

J1064 U.S. PTO  
11/29/01

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PTO/SB/05 (08-00)  
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10/29/01  
12/06/01

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 86038.000090

First Inventor Lines, James R.

Title HEAT EXCHANGER WITH INTEGRAL INTERNAL TEMPERATURE SENSOR

Express Mail Label No. EL871341353US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 16]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of Disclosure
- Drawing(s) (35 USC 113) [Total Sheets 3]
- Oath or Declaration [Total Pages 3]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. 1.63(d))  
(for continuation/divisional with Box 17 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(If applicable, all necessary)
  - a.  Computer Readable Copy (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. 3.73(b) Statement  
(when there is an assignee)  Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Other: \_\_\_\_\_

17. If a CONTINUATING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_  
Prior application information: \_\_\_\_\_ Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

Customer Number of Bar Code Label



or  Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	Roger Aceto	Registration No. (Attorney/Agent)	24,554
Signature			Date December 6, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

J1064 U.S. PTO

# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT \$370.00

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Lines, James R.
Examiner Name	
Group Art Unit	

Attorney Docket Number 86038.000090

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit

Account Number

033875

Deposit

Account Name

Harter, Secrest &amp; Emery LLP

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

 Check     Credit card     Money Order     Other

## FEE CALCULATION (check one)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description		Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
105	130	205	65	Surcharge – late filing fee or oath
127	50	227	25	Surcharge – late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for ex parte reexamination
112	920*	112	920*	Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	390	216	195	Extension for reply within second month
117	890	217	445	Extension for reply within third month
118	1,390	218	695	Extension for reply within fourth month
128	1,890	228	945	Extension for reply within fifth month
119	310	219	155	Notice of Appeal
120	310	220	155	Filing a brief in support of an appeal
121	270	221	135	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive – unavoidable
141	1,240	241	620	Petition to revive – unintentional
142	1,240	242	620	Utility issue fee (or reissue)
143	440	243	220	Design issue fee
144	600	244	300	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional applications
126	240	126	240	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	710	246	3655	Filing a submission after final rejection (37 CFR § 1.129(a))
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))
179	710	279	355	Request for Continued Examination (RCE)
169	900	169	900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$)

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Roger Aceto	Registration No. (Attorney/Agent)	24,554	Telephone	716-232-6500
Signature				Date	December 6, 2001

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**CERTIFICATE OF EXPRESS MAIL UNDER 37 CFR SECTION 1.10**

DOCKET NO.: 86038.000090

APPLICANT: James R. Lines

TITLE OF INVENTION: HEAT EXCHANGER WITH INTEGRAL INTERNAL  
TEMPERATURE SENSOR

I hereby certify that

Utility Patent Application Transmittal

Fee Transmittal Form (in duplicate) w/check in the amount of \$370.00

12 pages of specifications

3 pages of claims

1 page Abstract

3 sheets of drawings

Declaration w/Power of Attorney

Recordation of Assignment (in duplicate) w/assignment document and Check in the  
amount of \$40.00

Return Receipt Postcard

are being deposited with the United States Postal Service "Express Mail Office to Addressee"  
service under Express Mail Label #EL871341353US addressed to the Commissioner of Patents,  
Box Patent Application, P.O. Box 2327, Arlington, VA 22202, on December 6, 2001

Brenda L. Ricci  
Brenda L. Ricci